

EUROPEAN PATENT  
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Naše značka/ Our reference:  
01-1748-03-Če

Datum/ Date:  
May 3, 2004

Re: Response to the first written opinion

Dear Sirs,

This is in response to the first PCT written opinion dated March 9, 2004, issued in the above captioned case.

In light of the document US 5 090 185 cited X in the international search report, the subject matter of the present international application N° PCT/CZ03/00045 entitled „Travelling device particularly for self-propelled mower“ in the name of DVORAK, Lubomir has been reconsidered. Enclosed please find the amended set of claims (replacement sheets 14 through 16).

The reasons for the amendments are as follows:

The subject matter of the objected document US 5 090 185 relates to „a lawn mower“ (see claim 1).

The subject matter of the PCT international application in question relates neither to a lawn mower as such, nor to a cutting mechanism of said mover, as described and claimed in the above cited document US 5 090 185, but it relates especially to a travelling device particularly for self-propelled mower, which is not disclosed in said document US 5 090 185.

The wording of claims in the form as submitted in enclosure has been originally filed with the Czech Patent Office.

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In our opinion, the combination of features and characteristics, presented in the new claim 1, fully expresses the subject matter of the present solution. Said combination as such is not known or obvious from the retrieved prior art. The respective advantages as mentioned in the description are guaranteed in their entirety.

Accordingly, in view of the fact that the time limit for establishing the international preliminary examination report expires on December 12, 2004 (Rule 69.2 PCT), then one or more additional opportunities to submit amendments or arguments (Rule 66.4(b) PCT) are hereby kindly requested.

Please note that the Czech Republic patent N° CZ 292 880 has yet been granted in case of the priority Czech Republic patent application N° PV 2002-2755.

Yours sincerely,

Karel Čermák jr.  
Josef Plicka



Enclosure: as above

01-1748-03-Če

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03.05.2004

Amended

**C L A I M S**

1. Travelling device (20) particularly for self-propelled mower, said travelling device (20) comprises a frame (1), wherein a motor unit (3) with a driving shaft (13) is arranged on said frame (1) for driving a working device and said travelling wheels (2), and said frame (1) is provided with several identical travelling units (21) arranged on its external circumference, each travelling unit (21) comprises a flexibly suspended travelling wheel (2) rotating on its horizontal and vertical axes, said travelling wheels (2) are arranged in said travelling units (21) turnably on vertical axis in an unlimited angular range of 360°, wherein each travelling unit (21) further comprises a transmission disc (6) for travelling wheel (2) drive connected with said travelling wheel (2) by means of a transmission device (14), and a transmission disc (7) for travelling wheel (2) turning, wherein all transmission discs (6) for travelling wheel (2) drive are connected with a moving off device (8), arranged on said driving shaft (13), by means of transmission members (9) for travelling wheel (2) drive, and all transmission discs (7) for travelling wheel (2) turning are girded by a transmission member (12) for travelling wheels (2) turning guided over a driving roller (11).

2. Travelling device (20) according to claim 1, wherein each transmission disc (6) for travelling wheel (2) drive is positioned horizontally and is turnable on its vertical axis.

3. Travelling device (20) according to claim 1, wherein each transmission disc (7) for travelling wheel (2) turning is positioned horizontally and is turnable on its vertical axis.

4. Travelling device (20) according to any of claims 1 to 3, wherein said transmission member (9) for travelling wheel (2) drive comprises an endless flexible member.

5. Travelling device (20) according to any of claims 1 to 3, wherein said transmission member (12) for travelling wheel (2) turning comprises an endless flexible member.

6. Travelling device (20) according to any of claims 1 to 3, wherein said transmission member (12) for travelling wheel (2) turning comprises gears.

7. Travelling device (20) according to any of claims 1 to 3, wherein said transmission member (12) for travelling wheel (2) turning comprises Cardan shafts.

8. Travelling device (20) according to any of claims 1 to 7, wherein auxiliary guide rollers (11a) for guiding transmission member (12) for travelling wheels (2) turning are further arranged on said frame (1).

9. Travelling device (20) according to any of claims 1 to 8, wherein a control unit (22) interconnected with driving servomotor (15) and steering servomotor (10) for travelling wheels (2) turning is further arranged on said frame (1).

10. Travelling device (20) according to claim 9, wherein said control unit (22) is remote-controlled.

11. Travelling device (20) according to claim 10, wherein said control unit (22) is remote-controlled by means of transmitter (23) for transmitting radio signals or optical signals.

12. Travelling device (20) according to any of claims 1 to 9, wherein a seat and a control panel are arranged on said frame (1).

13. Travelling device (20) according to any of claims 1 to 12, wherein said travelling units (21) are particularly four.